Mean and Standard Deviation

This website will take you to an applet called Standard Deviation. The standard deviation of a distribution measures the dispersion or variability/variation of the data.

[**http://www.math.usu.edu/~schneit/CTIS/SD/**](http://www.math.usu.edu/~schneit/CTIS/SD/)Please adjust to 12 columns and 12 rows. Also use/highlight at least 10 cells.

Use the “snipit tool” to capture the image and paste it below the direction:

**Make “pile”, centered in the middle – what is the mean? What is the standard deviation?**

**Make a “V” shaped image, again centered in the middle. (try to get the same mean as in your pile) - what is the mean? What is the standard deviation?**

**Create a distribution with a mean of around 4 and a standard deviation of about 2.**

**Make a “U” pattern.**

**Make an “L” pattern (6 high and 4 across) with the vertical on 8.**

**Make an “L” pattern (6 high and 4 across) with the vertical on 4.**

**What do you notice about the mean and standard deviation of your 2 “Ls”???**